



EPA

Terminology Reference System (TRS)

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U.S. EPA Terminology Reference System



Introduction

The U.S. Environmental Protection Agency (EPA) Terminology Reference System (TRS) has been created to provide a single source of general terminology for the Agency by incorporating EPA-related terms and lists as well as other environmentally-related terminology sources. Terms can be categorized at an organizational and resource level; they are also classified by name and descriptive type. The TRS, currently under development, contains only a few terms, but additional information is being accumulated. Contextual definitions and hierarchical relationships (where they exist) can also be depicted in the TRS.

Glossary Search

- [Alphabetical Search](#)
- [Keyword Search](#)

The glossary search, which is either alphabetical or by keyword, enables the user to quickly find a specific term in the TRS. Optionallv. once you've selected your term. you can further view contextual images for the term with various other





Vision

Develop a repository of well-defined environmental concepts as a

tool for:

- **Cataloging data and documents**
- **Retrieving Web documents and data elements**
- **Developing data elements**
- **Integrating databases**



Strategy

- **Collaboration with GEMET**
- **Development of EPA concepts**
- **Collection of lists**
 - ◆ **Chemicals**
 - ◆ **Biological taxa**



Collaboration

In collaboration with the
European Environment Agency
General European Multilingual
Environmental Thesaurus (GEMET) system.





GEMET Collaboration



- **Review/revise European product (GEMET)**
- **Expand international collaboration**
 - ◆ **Asia**
 - ◆ **Arabic-speaking world**
- **Provide American English definitions**



GEMET Collaboration (Continued)



- **Use what exists and make it better**
- **Reference source of environmental concepts**
- **Multilingual**
- **Access to international and national subject-specific lists**

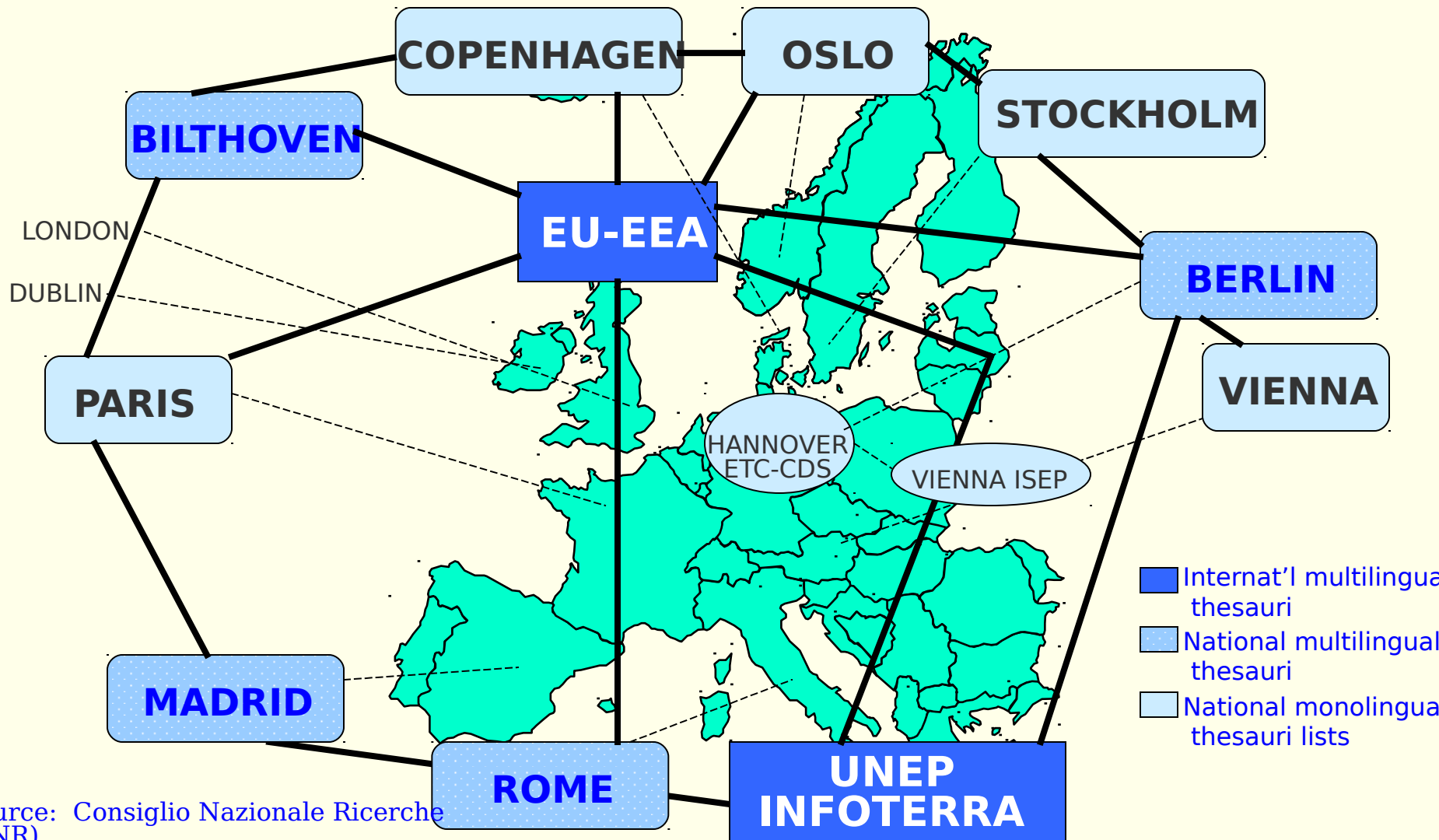


Progress and Plans



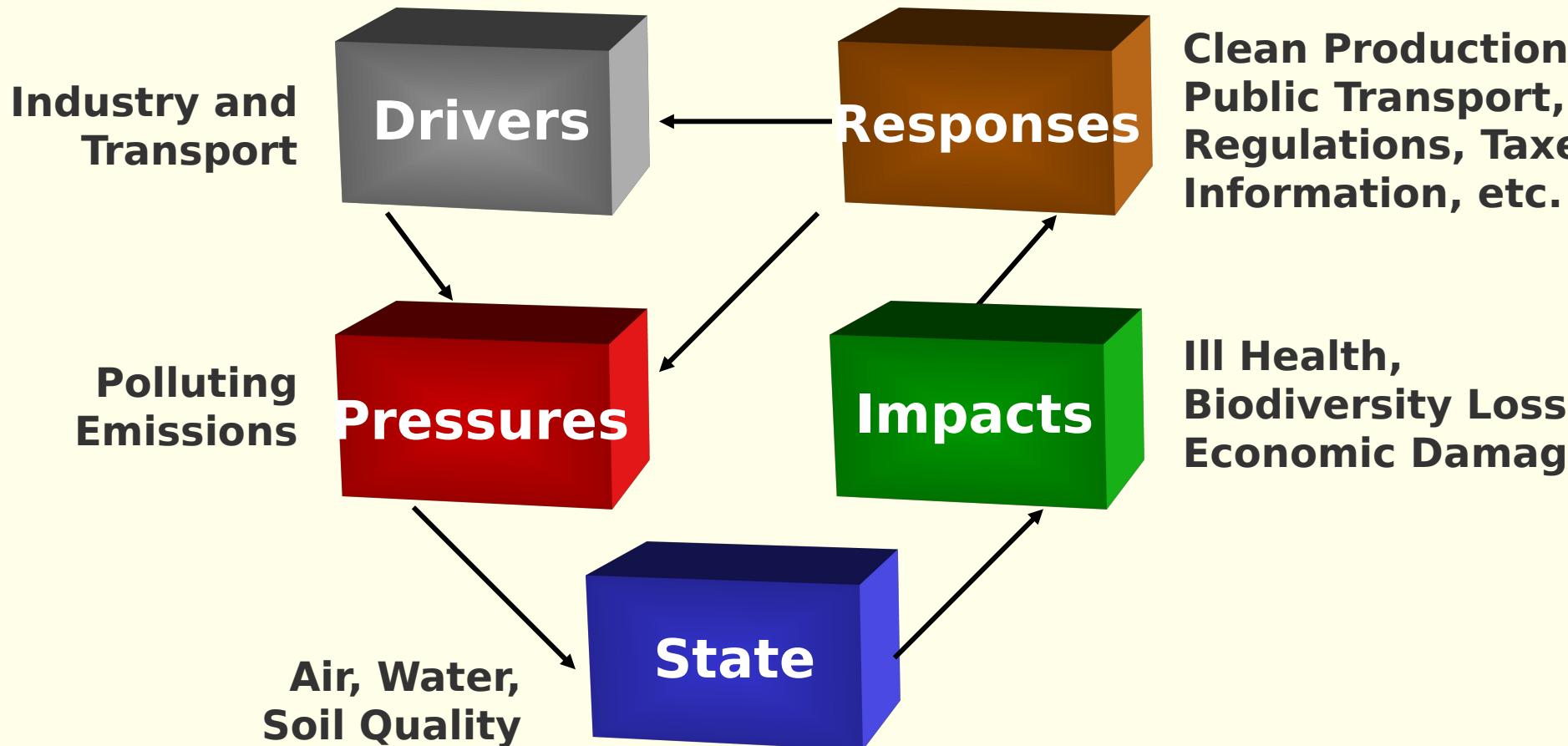
- **Six European thesauri combined - 1997**
- **Phase 1 - 1998**
 - ◆ **Include all European languages and U.S. equivalents**
 - ◆ **Provide definitions (English)**
 - ◆ **Provide synonyms**
- **Phase 2 - 1999**
 - ◆ **Refine an international core**
 - ◆ **Develop national branches**
 - ◆ **Develop subject-specific lists**

Environmental Thesauri Included in GEMET



Source: Consiglio Nazionale Ricerche (CNR)

Framework for GEMET Terminology Organization



GEMET Functionality



- **Multilingual**
- **Hierarchical**
- **Alphabetical**
- **Thematic**
- **Relational**
- **Polyhierarchical**

References to GEMET

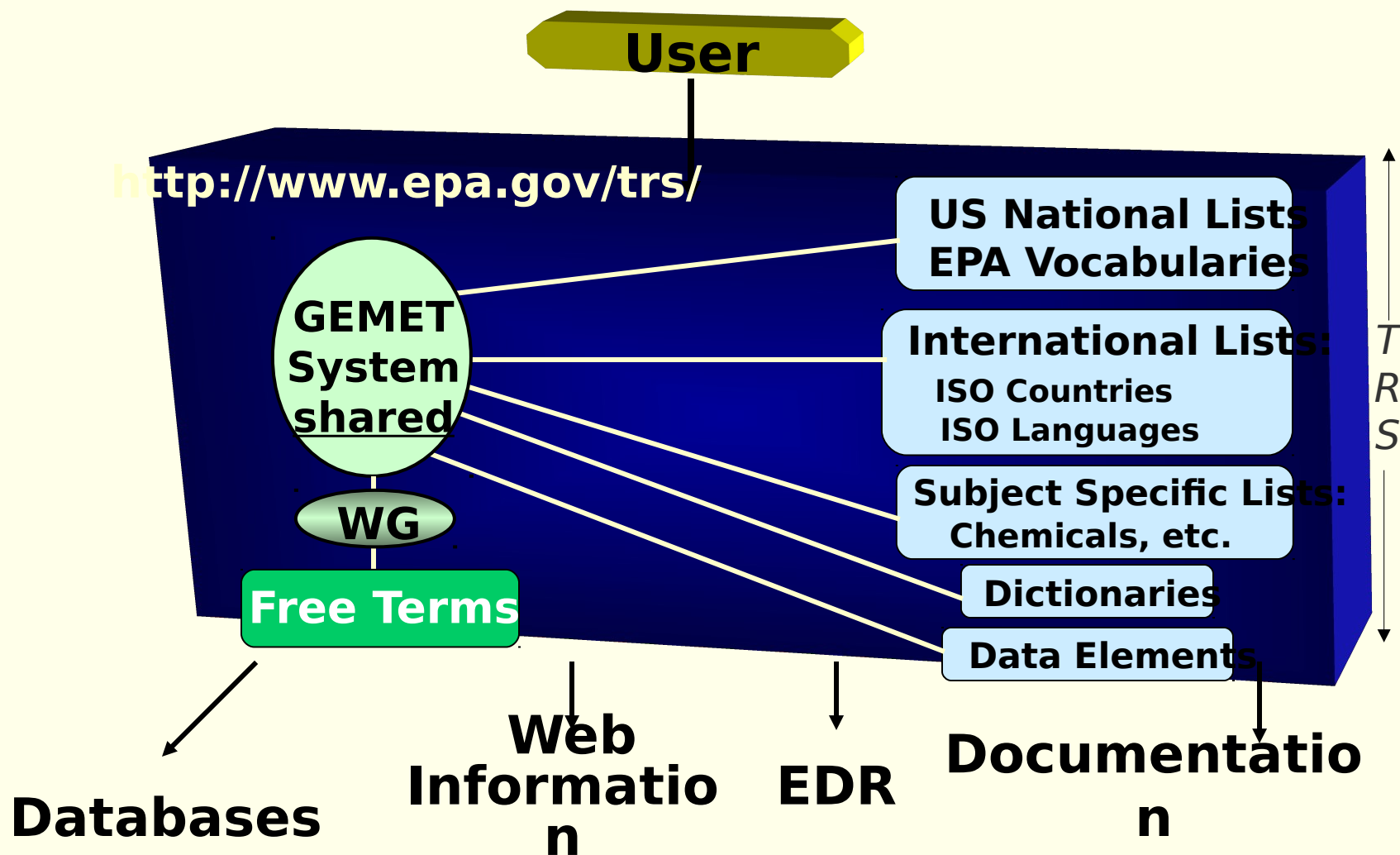


- **Catalog of Data Sources (CDS)**
http://www.mu.niedersachsen.de/cds/start_info.html
- **GEMET links to PDF tables**
http://www.mu.niedersachsen.de/cds/agreepdf_a.html



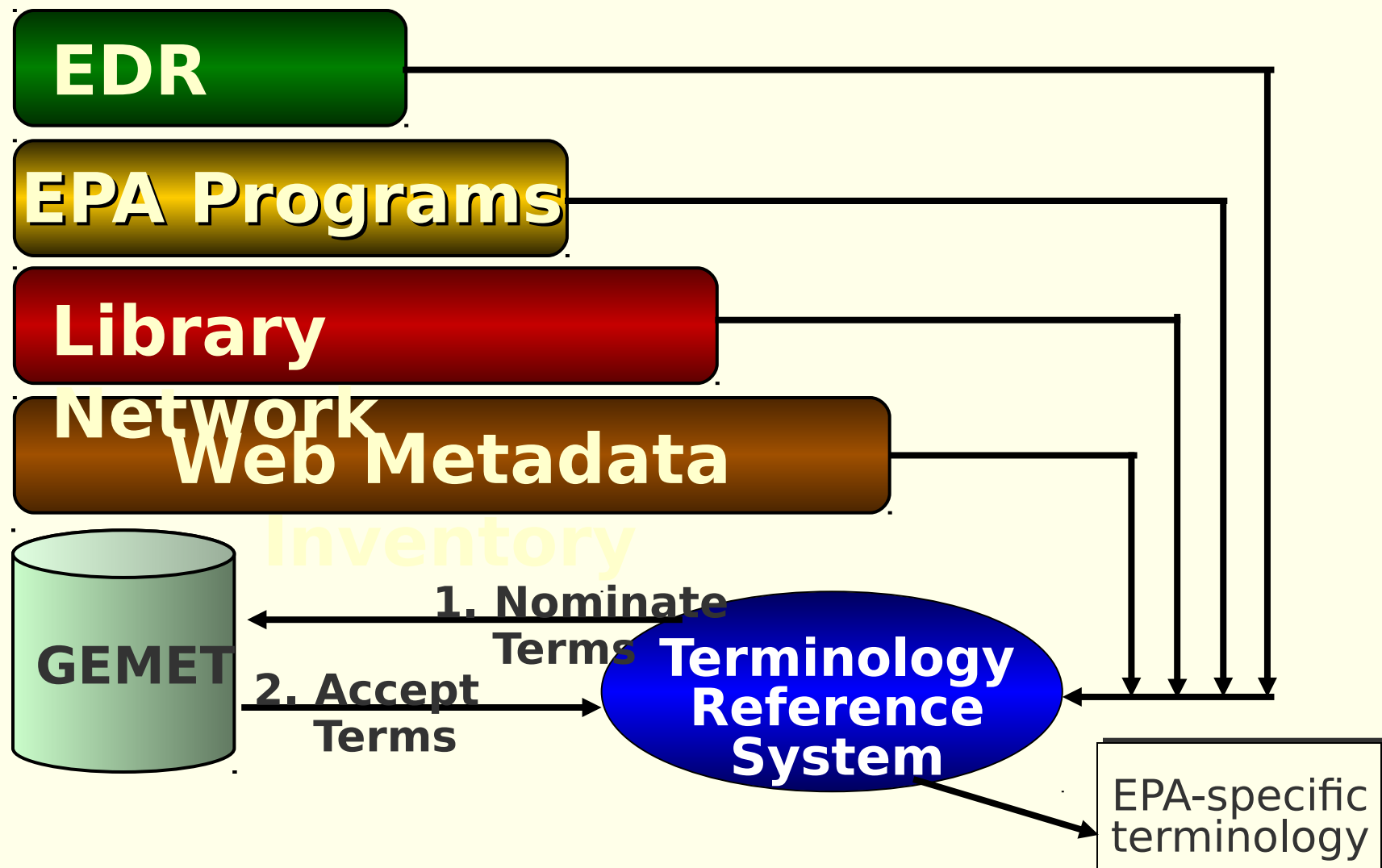


Terminology Reference System (TRS)





Sources of Terminology





EPA/State Collaboration

- **Pilot-Hazardous waste clean up concepts**
 - ◆ **Partnership with states and tribal entities**
 - ◆ **Data element development**
 - ◆ **Search engines**
 - ◆ **Database integration**



Collection of Lists

- **Web Inventory**
- **Chemicals**
- **International lists**

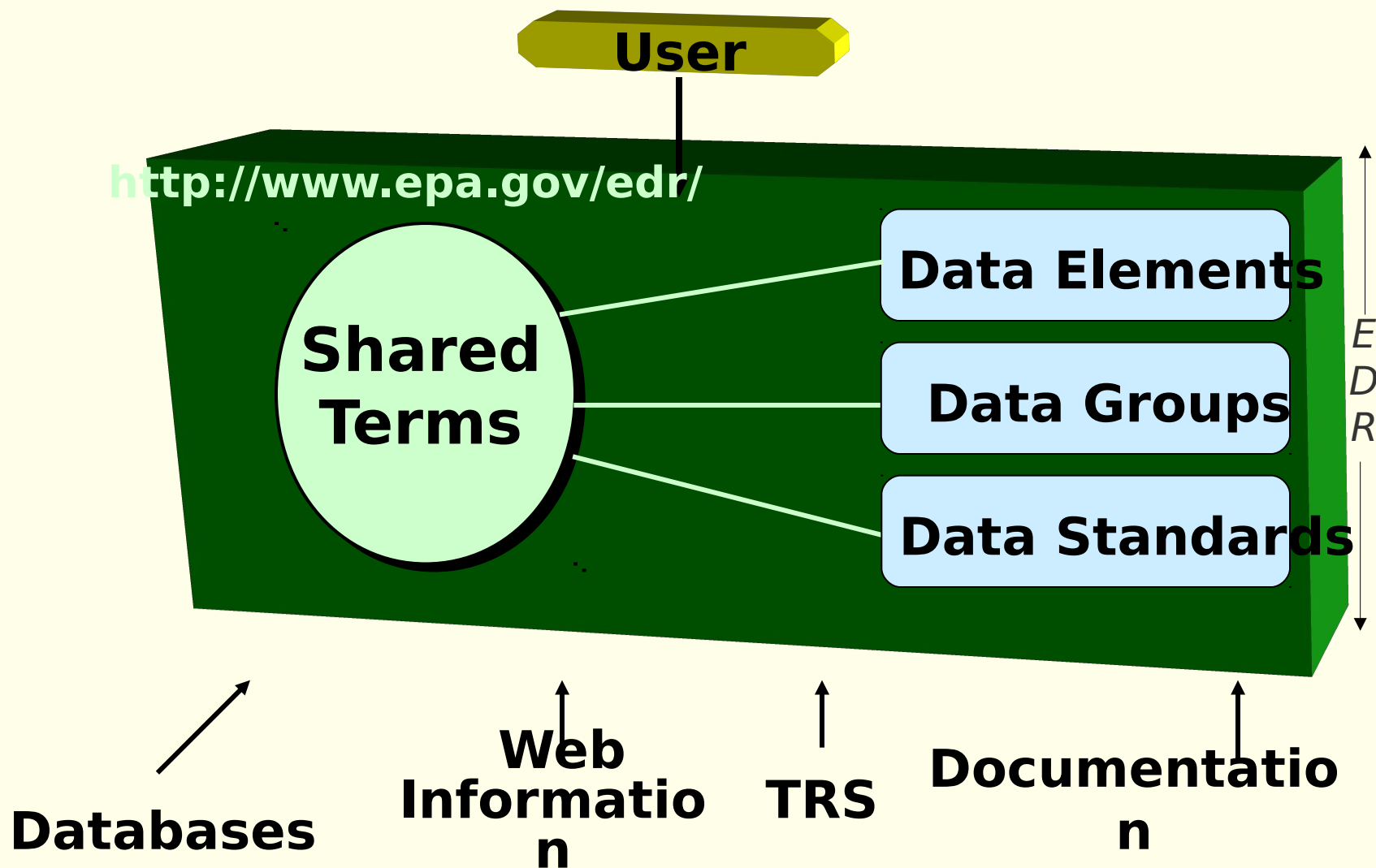


TRS Functionality

- **Source for data elements**
- **Repository for reference terminology**
- **Repository for lists**



Environmental Data Register (EDR)



EDR Home

Products & Services

Introduction
Data Standards
References
Searches
Architecture
Registration
Download

Partners

EMPACT
State Cleanup
One Stop (REI)
System Developer

Utilities

What's New
FAQs
Site Map
Help
Comments
Administration



Environmental Data Registry

Introduction to the EDR

Data Standards

Read Standards Guidance

Search for Data Elements

View Data Architecture

Registration

Download EDR Information

News Bulletins

- ✧ [Read](#) the Standard Update Newsletter.
- ✧ [Sign-up](#) for e-mail announcements about the EDR.
- ✧ [Register](#) your data elements through our on-line process.



TRS and EDR



Terms



Data Elements



Database Integration

- **Environmental Data Exchange Network (EDEN) pilot project**
 - ◆ **Collaboration: DOE, DoD, EPA, EEA**
 - ◆ **Map heterogeneous hazardous waste databases**
 - ◆ **Innovative technology**



Web Information Retrieval

- **Web metadata inventory**
- **Search engine**
 - ◆ **Thesaurus function**
 - ◆ **Topic sets**



Document Retrieval

- **Cataloging**
- **Indexing**
- **Reference vocabulary**

Discussion



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